

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Application No. | : | | Confirmation No. |
| Applicant | : | KILLEN, et al. | |
| Filed | : | Herewith | |
| TC/A.U. | : | | |
| Examiner | : | | |
| Docket No. | : | 7162-114 | |
| Customer No. | : | 30448 | |

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

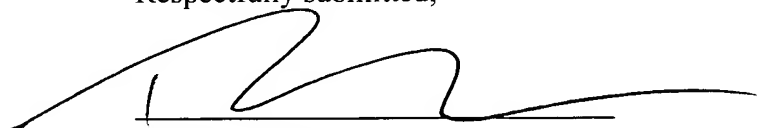
This Information Disclosure Statement is being submitted in compliance with 37 CFR 1.97 and 1.98. A list of documents on form PTO 1449 together with a concise explanation or a translation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with 37 CFR 1.97(b) and a fee is not required for consideration of these documents. Please charge any deficiencies to Deposit Acct. No. 50-0951.

Respectfully submitted,

Date:

11/12/03



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| Form PTO-1449 (Rev. 2-88) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 7162-114 | | APPLICATION NO. | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i> | | | | APPLICANT KILLEN, et al. | | FILING DATE . | |
| U.S. PATENT DOCUMENTS | | | | GROUP | | | |
| EXAMINER'S INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
| | | | | | | | YES NO |
| | | PCT/GB92/01173 | 6/29/92 | PCT | | | |
| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
| | | <i>"Wave guidance and radiation from a hollow tube formed from frequency-selective surfaces," A.J. Robinson, J.C. Vardaxoglou, and R.D. Seager, Electronics Letters, Aug. 19, 1993, Vol. 29, No. 17.</i> | | | | | |
| | | <i>"Realisation of frequency selective horn antenna incited from passive array," J.C. Vardaxoglou, R.D. Seager and A.J. Robinson, Electronics Letters, Oct. 8, 1992, Vol. 28, No. 21.</i> | | | | | |
| | | <i>"Development of a 7.2-, 8.4-, and 32-Gigahertz (X-/X-/Ka-Band) Three-Frequency Feed for the Deep Space Network," Stanton, P.H.; Hoppe, D.J., and Reilly, H. TMO Progress Report 42-145, May 15, 2001</i> | | | | | |
| | | <i>"Frequency Selective Surfaces in the GHz and the THz Region: Analysis and Experimental Results," Bozzi, Maurizio and Perregrini, Luca. Terahertz and Gigahertz Electronics and Photonics, II. Proceedings of SPIE Vol. 4111 (2000)</i> | | | | | |
| | | <i>"Arrays of Concentric Rings as Frequency Selective Surfaces," Parker, E.A., Hamday, S.M.A., and Langley, R.J. Electronics Letters, Nov. 12, 1981, Vol. 17, No. 23.</i> | | | | | |
| | | <i>"Single-Layer Multiband Frequency-Selective Surfaces," Lee, C.K., Langley, R.J., and Parker, E.A. IEE Proceedings, Vol. 132, Pt. H. No. 6, October 1985.</i> | | | | | |
| | | <i>"Frequency Selective Surfaces," Parker, E.A., Langley, R.J., Cahill, R., and Vardaxoglou, J.C. Electronics Laboratories, The University of Kent, Canterbury, UK. Pg. 459.</i> | | | | | |
| | | <i>"Novel 'Soft' Horn Antenna for Multiband Operation," Vardaxoglou, J.C., Seager, Robert D., Robinson, Alan J. Loughborough University of Technology, Department of Electronic and Electrical Engineering, Loughborough Leicestershire LE 11 3TU</i> | | | | | |
| EXAMINER | | | | DATE CONSIDERED | | | |
| * EXAMINER: Initial if a citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |